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DAMPING WATER FOR PRINTING

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Inventor(s): OSAWA SADAQ; SERA HIDEFUMI; SUZUKI HIROAKI; TANAKA MASAYASU; IWAI MASAOKI

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Applicant(s): FUJI PHOTO FILM CO LTD; TOMOEGAWA PAPER CO LTD

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Abstract of **JP 62007596 (A)**

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PURPOSE:To enable damping water to be stably used for printing, by adding specified quantities of a hexacyanoferrate (II) and a phytic acid salt to damping water. **CONSTITUTION:**The damping water comprises at least a hexacyanoferrate (II) in an amount of 0.1-20g/l and a phytic acid salt in an amount of 0.01-10g/l. A pH adjustor, a buffering agent, a wetting agent, a rust preventive or the like may be added to the damping water. The hexacyanoferrate (II) is represented by the general formula $M_4[Fe(CN)_6]$, wherein M is Li, Na, K, NH_4 , Rb, Cs or the like. The phytic acid salt may be an alkali metal salt, ammonium salt, an amine salt or the like of phytic acid. As the pH adjustor or buffering agent, at least one inorganic or organic acid or salt thereof is used either singly or in combination.; A main reaction for providing hydrophilicity is performed by the hexacyanoferrate (II), while the small amount of the phytic acid salt causes a reaction for moderate suppression of ink built-up, thereby making the entire surface of a master less susceptible to contamination.

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